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					Dollar	Weighted	
				\	Neighted	Average	
	Lo	an Balance	Interest Rate	Int	terest Rate	Coupon	
Name		(1)	(2)		(1 x 2)	Sum (1 x 2) / Sum (1)	
Applebee	\$	20,000.00	16.75%	\$	3,350.00		
Baker	\$	25,000.00	15.50%	\$	3,875.00		
Coles	\$	15,000.00	17.65%	\$	2,647.50		
Davidson	\$	12,000.00	16.99%	\$	2,038.80		
Ellis	\$	17,250.00	14.99%	\$	2,585.78		
Franklin	\$	13,250.00	17.25%	\$	2,285.63		
Henderson	\$	16,000.00	15.00%	\$	2,400.00		
Ionetta	\$	19,995.00	17.85%	\$	3,569.11		
Jackson	\$	14,250.00	16.75%	\$	2,386.88		Weighted
	\$	152,745.00		\$	25,138.68	16.46%	Average
							Coupon

			Dollar	Weighted	
		Maturity in	Weighted	Average	
	Loan Balance	Months	Maturity	Maturity	
Name	(1)	(2)	(1) x (2)	in Months	
Applebee	\$ 20,000.00	60	\$ 1,200,000.00		
Baker	\$ 25,000.00	72	\$ 1,800,000.00		
Coles	\$ 15,000.00	36	\$ 540,000.00		
Davidson	\$ 12,000.00	60	\$ 720,000.00		
Ellis	\$ 17,250.00	48	\$ 828,000.00		
Franklin	\$ 13,250.00	60	\$ 795,000.00		
Henderson	\$ 16,000.00	72	\$ 1,152,000.00		
Ionetta	\$ 19,995.00	72	\$ 1,439,640.00		
Jackson	\$ 14,250.00	72	\$ 1,026,000.00		Weighted
	\$152,745.00		\$ 9,500,640.00	62.20	Average
				Months	Maturity

## PLEASE READ THE FOLLOWING PRIOR TO USING THE NCUA YIELD MODEL.

Examiners may use this optional workbook to evaluate a credit union's indirect lending profitability analysis. Examiners will assess key assumptions for reasonableness in a credit union's analysis, including prepayment rates, default proportion and loss severity. Credit unions should base assumptions on actual performance of a static loan pool at least two years old.

This model projects an expected return for a static loan pool.\* A credit union should assess a range of possible returns by changing the input assumptions.

## This model's calculations are based on the following computational assumptions:

- 1) The principal balance represents a pool of loans. You input a weighted average coupon (WAC) and weighted average maturity WAM).
- The worksheet is not designed to analyze a single loan. The beginning principal is the initial pool balance.
- 2) Each month has 30 days and each year has 360 days.
- 3) The maximum WAM is 72 months, although shorter periods may be specified.
- 4) All payments, prepayments, and defaults occur on the 30th day each month. This model does not account for deferrals of principal and interest. Recoveries and insurance proceeds occur instantly, on the 30th day of the month of default.
- 5) The premium on loans purchased is paid by the credit union to the vendor in full at the time the loan is originated.
- 6) **Constant Prepayment Rate (CPR)** reflects prepayments from early payoffs, refinancings, and defaults. The model uses prepayments expressed in terms of CPR (rather than an absolute percentage of the original balance, or ABS). CPR is a measure of the prepayment rate at which loans are expected to prepay, expressed as an annual percentage of the outstanding balance.

CPR reflects the result of compounding on a single monthly mortality (SMM). If a constant percent of the outstanding balance prepays each month, then the dollar amount of prepayments declines over time. By way of example, using a 4 percent SMM, on a \$100,000 non-amortizing loan pool, \$4,000 ( $$100,000 \times .04$ ) would prepay in the first month, but only \$3,840 ( $$96,000 \times .04$ ) would prepay in the second month. In the first year the CPR would be 38.73 percent, i.e., [ 1 - (1 - .04)^12], and the remaining balance at the end of the first year would be \$61,270, i.e., [(I - .3873)  $\times 100,000$ ]. The remaining balance on an amortizing loan pool would be smaller by the amount of amortization.

- 7) The **Default Proportion** reflects the percentage of prepayments (CPR) attributed to default on a gross basis (recoveries should be excluded). For example, if 60% of the prepayments are attributed to defaulted loans, enter 60% in the Default Proportion box. The annual default percentage equals the CPR multiplied by the Default Proportion. Losses will be projected by multiplying the constant prepayment rate by the Default Proportion rate multiplied by the Loss Severity.
- 8) The model requires input of a **Loss Severity**. For example, if data indicates an average defaulted loan balance of \$10,000 results in an average loss of \$2,000, input a loss severity of 20%. The Loss Severity should reflect the proceeds from any insurance coverage. For purposes of this model, it is assumed that recoveries occur the same month a default occurs.
- 9) For servcing fees, all outstanding loans balances are subject to the servicing fee.
- \* Static loan pool means a series of loans underwritten with the same criteria during the same month, quarter, or year. Static loan pools do not take into consideration the addition of new loan originations outside of the specified time period.

Loan Information Beginning Principal WAM (enter whole months) WAC Servicing Fees/Costs Purchase Premium Purchase Fee Servicing Fee (%) Direct & Indirect CU Costs Yield Analysis Bond Equivalent Yield Monthly Yield WAL (months) principal Enter data in yellow cells only.	\$1,000,000 66 18,00% \$15,00% \$150,000 1,50% 1,00% 5,32% 5,26% 24,92 27,32	10.00% 10.00%	70.00% 70.00%	Time Varying Loss Severity  20.00%	Month	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Beginning .oan Principal 1,000,000.0 982,362.98 964,825.63 947,386.75 930,045.13 912,799.60 895,648.97 878,592.06 861,627.73 844,754.80 827,972.13 811,278.59	Monthly Payment \$23,973.86 \$23,764.29 \$23,565.5 \$23,350.63 \$23,146.50 \$22,944.17 \$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70 \$21,766.75	Contractual Principal (included in Monthly Payment) \$8.973.86 \$9.028.84 \$9.028.84 \$9.195.83 \$9.158.83 \$9.252.17 \$9.308.86 \$9.365.90 \$9.423.29 \$9.481.03	Non-cash Flow: Prepayment of Principal (also includes non-cash flow Loss Dollars)  8.663.16 8.508.51 8.354.72 8.201.79 8.049.71 7.898.46 7.748.04	Interest (included in Monthly Payment) 15,000.00 14,735.44 14,210.80 13,950.68 13,691.99 13,434.73 13,178.88	Ending Principal Balance 1,000,000.00 982,362,98 964,825,63 947,386.75 930,045,13 912,799,60 885,648,97 878,592,06	Servicing Fee  1,250.00 1,227.95 1,206.03 1,184.23 1,162.56 1,141.00 1,119.56	Default Dollars (included in Prepayments) 6.064.22 5.955.96 5.848.30 5.741.25 5.634.79 5.528.92 5.423.63	Loss Dollars (included in Prepayments) 1.212.84 1.191.19 1.169.66 1.148.25 1.126.96 1.105.78 1.084.73	Direct & Indirect CU Costs  833.33 818.64 804.02 789.49 775.04 760.67 746.37	Cash Flow: Input your adjusments (positive for inflows, negative for outflows)	Net Cash Flows M (1,150,000.0) \$29,340.84 \$29,035.01 \$28,731.55 \$28,430.44 \$28,131.66 \$27,835.18 \$27,540.98
Beginning Principal WAM (enter whole months) WAC  Servicing Fees/Costs  Purchase Premium Purchase Fee Servicing Fee (%) Direct & Indirect CU Costs  Yield Analysis  Bond Equivalent Yield Monthly Yield  WAL (months) cash flows WAL (months) principal	\$1,000,000 65 18,00% 15,00% \$150,000 1,50% 1,00% 5,32% 5,26% 24,92 27,32	10.00% 10.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20	Month	0 1 2 3 4 5 6 7 8 9 10 11 12 13	1,000,000.00 1,000,000.00 982,362.98 964,825.63 947,386.75 930,045.13 912,799.60 895,648.97 878,592.06 861,627.73 844,754.80 827,972.13 811,278.79	\$23,973.86 \$23,764.29 \$23,556.55 \$23,350.63 \$23,146.50 \$22,944.17 \$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70	\$8,973.86 \$9,028.84 \$9,084.16 \$9,139.82 \$9,195.83 \$9,252.17 \$9,308.86 \$9,365.90 \$9,423.29	8,663.16 8,508.51 8,354.72 8,201.79 8,049.71 7,898.46 7,748.04 7,598.44	15,000.00 14,735.44 14,472.38 14,210.80 13,950.68 13,691.99 13,434.73	1,000,000.00 982,362.98 964,825.63 947,386.75 930,045.13 912,799.60 895,648.97 878,592.06	1,250.00 1,227.95 1,206.03 1,184.23 1,162.56 1,141.00 1,119.56	6,064.22 5,955.96 5,848.30 5,741.25 5,634.79 5,528.92 5,423.63	1,212.84 1,191.19 1,169.66 1,148.25 1,126.96 1,105.78 1,084.73	833.33 818.64 804.02 789.49 775.04 760.67 746.37	outflows)	(1,150,000.00) \$29,340.84 \$29,035.01 \$28,731.55 \$28,430.44 \$28,131.66 \$27,835.18 \$27,540.98
WAM (enter whole months) WAC  Servicing Fees/Costs  Purchase Premium Purchase Fee Servicing Fee (%) Direct & Indirect CU Costs  Yield Analysis Bond Equivalent Yield Monthly Yield  WAL (months) cash flows WAL (months) principal	15.0% 15.0% \$150.000 1.50% 1.00% 5.32% 5.26% 24.92 27.32	10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 10,00% 15,00% 15,00% 15,00% 15,00% 15,00% 15,00% 15,00% 15,00% 15,00%	70.00% 70.00%	20,00% 20		1 2 3 4 5 6 7 8 9 10 11 12 13	1.000.000.00 982.362.98 964.825.63 947.386.75 930.045.13 912,799.60 895.648.97 878.592.06 861,627.73 844,754.80 827,972.13 811.278.59 794.673.04	\$23,764.29 \$23,556.55 \$23,350.63 \$23,146.50 \$22,944.17 \$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70	\$9,028.84 \$9,084.16 \$9,139.82 \$9,195.83 \$9,252.17 \$9,308.86 \$9,365.90 \$9,423.29	8,508.51 8,354.72 8,201.79 8,049.71 7,898.46 7,748.04 7,598.44	14,735,44 14,472,38 14,210,80 13,950,68 13,691,99 13,434,73	982,362,98 964,825,63 947,386,75 930,045,13 912,799,60 895,648,97 878,592,06	1,227,95 1,206.03 1,184.23 1,162.56 1,141.00 1,119.56	5,955.96 5,848.30 5,741.25 5,634.79 5,528.92 5,423.63	1,191.19 1,169.66 1,148.25 1,126.96 1,105.78 1,084.73	818.64 804.02 789.49 775.04 760.67 746.37		\$29,340.84 \$29,035.01 \$28,731.55 \$28,430.44 \$28,131.66 \$27,835.18 \$27,540.98
WAC  Servicing Fees/Costs Purchase Premium Purchase Fee Servicing Fee (%) Direct & Indirect CU Costs  Yield Analysis Bond Equivalent Yield Monthly Yield  WAL (months) cash flows WAL (months) principal	15,0% \$150,000 1,50% 1,00% 5,32% 5,26% 24,92 27,32	10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 15.00%	70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09% 70.09%	20,00% 20		3 4 5 6 7 8 9 10 11 12 13	982,362,98 964,825,63 947,386,75 930,045,13 912,799,60 895,648,97 878,592,06 861,627,73 844,754,80 827,972,13 811,278,59 794,673,04	\$23,556.55 \$23,350.63 \$23,146.50 \$22,944.17 \$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70	\$9,084.16 \$9,139.82 \$9,195.83 \$9,252.17 \$9,308.86 \$9,365.90 \$9,423.29	8,354.72 8,201.79 8,049.71 7,898.46 7,748.04 7,598.44	14,472.38 14,210.80 13,950.68 13,691.99 13,434.73	947,386.75 930,045.13 912,799.60 895,648.97 878.592.06	1,206.03 1,184.23 1,162.56 1,141.00 1,119.56	5,848.30 5,741.25 5,634.79 5,528.92 5,423.63	1,169.66 1,148.25 1,126.96 1,105.78 1,084.73	804.02 789.49 775.04 760.67 746.37		\$28,731.55 \$28,430.44 \$28,131.66 \$27,835.18 \$27,540.98
Purchase Premium Purchase Fee Servicing Fee (%) Direct & Indirect CU Costs  Yield Analysis Bond Equivalent Yield Monthly Yield  WAL (months) cash flows WAL (months) principal	\$150,000 1.50% 1.00% 5.32% 5.26% 24.92 27.32	10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.09% 70.09%	20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00%		4 5 6 7 8 9 10 11 12 13	947,386.75 930,045.13 912,799.60 895,648.97 878,592.06 861,627.73 844,754.80 827,972.13 811,278.59 794,673.04	\$23,350.63 \$23,146.50 \$22,944.17 \$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70	\$9,139.82 \$9,195.83 \$9,252.17 \$9,308.86 \$9,365.90 \$9,423.29	8,201.79 8,049.71 7,898.46 7,748.04 7,598.44	14,210.80 13,950.68 13,691.99 13,434.73	930,045.13 912,799.60 895,648.97 878,592.06	1,184.23 1,162.56 1,141.00 1,119.56	5,741.25 5,634.79 5,528.92 5,423.63	1,148.25 1,126.96 1,105.78 1,084.73	789.49 775.04 760.67 746.37		\$28,430.44 \$28,131.66 \$27,835.18 \$27,540.98
Purchase Premium Purchase Fee Servicing Fee (%) Direct & Indirect CU Costs  Yield Analysis Bond Equivalent Yield Monthly Yield  WAL (months) cash flows WAL (months) principal	\$150,000 1.50% 1.00% 5.32% 5.26% 24.92 27.32	10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00%	20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00% 20,00%		5 6 7 8 9 10 11 12 13	930,045.13 912,799.60 895,648.97 878,592.06 861,627.73 844,754.80 827,972.13 811,278.59 794,673.04	\$23,146.50 \$22,944.17 \$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70	\$9,195.83 \$9,252.17 \$9,308.86 \$9,365.90 \$9,423.29	8,049.71 7,898.46 7,748.04 7,598.44	13,950.68 13,691.99 13,434.73	912,799.60 895,648.97 878,592.06	1,162.56 1,141.00 1,119.56	5,634.79 5,528.92 5,423.63	1,126.96 1,105.78 1,084.73	775.04 760.67 746.37		\$28,131.66 \$27,835.18 \$27,540.98
Purchase Fee Servicing Fee (%) Direct & Indirect CU Costs  **Yield Analysis** Bond Equivalent Yield Monthly Yield  WAL (months) cash flows WAL (months) principal	\$150,000 1.50% 1.00% 5.32% 5.26% 24.92 27.32	10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00%		6 7 8 9 10 11 12 13	912,799.60 895,648.97 878,592.06 861,627.73 844,754.80 827,972.13 811,278.59 794,673.04	\$22,944.17 \$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70	\$9,252.17 \$9,308.86 \$9,365.90 \$9,423.29	7,898.46 7,748.04 7,598.44	13,691.99 13,434.73	895,648.97 878,592.06	1,141.00 1,119.56	5,528.92 5,423.63	1,105.78 1,084.73	760.67 746.37		\$27,835.18 \$27,540.98
Direct & Indirect CU Costs  Yield Analysis  Bond Equivalent Yield  Monthly Yield  WAL (months) cash flows  WAL (months) principal	1.50% 1.00% 5.32% 5.26% 24.92 27.32	10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00%		8 9 10 11 12 13	895,648.97 878,592.06 861,627.73 844,754.80 827,972.13 811,278.59 794,673.04	\$22,743.60 \$22,544.78 \$22,347.70 \$22,152.35 \$21,958.70	\$9,308.86 \$9,365.90 \$9,423.29	7,598.44	13,434.73	878,592.06	1,119.56	5,423.63	1,084.73	746.37		\$27,540.98
Yield Analysis Bond Equivalent Yield Monthly Yield  WAL (months) cash flows WAL (months) principal	5.32% 5.26% 24.92 27.32	10.00% 10.00% 10.00% 10.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00%		9 10 11 12 13 14	861,627.73 844,754.80 827,972.13 811,278.59 794,673.04	\$22,347.70 \$22,152.35 \$21,958.70	\$9,423.29		12 170 00							
Bond Equivalent Yield Monthly Yield WAL (months) cash flows WAL (months) principal	5.26% 24.92 27.32	10.00% 10.00% 10.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00%		10 11 12 13 14	844,754.80 827,972.13 811,278.59 794,673.04	\$22,152.35 \$21,958.70				861,627.73	1,098.24	5,318.91	1,063.78	732.16		\$27,249.04
Bond Equivalent Yield Monthly Yield WAL (months) cash flows WAL (months) principal	5.26% 24.92 27.32	10.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00% 20.00% 20.00% 20.00% 20.00%		11 12 13 14	827,972.13 811,278.59 794,673.04	\$21,958.70		7,449.64 7,301.64	12,924.42 12,671.32	844,754.80 827,972.13	1,077.03 1,055.94	5,214.75 5,111.15	1,042.95 1,022.23	718.02 703.96		\$26,959.34 \$26,671.85
Monthly Yield  WAL (months) cash flows  WAL (months) principal	24.92 27.32	15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00% 20.00% 20.00%		13 14	811,278.59 794,673.04	604 700 75	\$9,539.12	7,301.04	12,419.58	811.278.59	1.034.97	5.008.10	1.001.62	689.98		\$26,386,56
WAL (months) principal	27.32	15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00% 20.00%		14			\$9,597.57	7,007.98	12,169.18	794,673.04	1,014.10	4,905.59	981.12	676.07		\$26,103.45
WAL (months) principal	27.32	15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00% 20.00%				\$21,576.47	\$9,656.38	10,560.00	11,920.10	774,456.66	993.34	7,392.00	1,478.40	662.23		\$29,002.50
WAL (months) principal	27.32	15.00% 15.00% 15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00% 70.00% 70.00%	20.00% 20.00%			774,456.66 754,499,41	\$21,286.23 \$20,999.88	\$9,669.38 \$9,682.39	10,287.88 10,019.24	11,616.85 11,317,49	754,499.41 734.797.78	968.07 943.12	7,201.51 7,013.47	1,440.30 1,402.69	645.38 628.75		\$28,520.35 \$28,044.56
Enter data in yellow cells only.	<b>y.</b>	15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00% 70.00%			16	734,797.78	\$20,717.39	\$9,695.43	9,754.04	11,021.97	715,348.31	918.50	6,827.83	1,365.57	612.33		\$27,575.04
Enter data in yellow cells only.	y.	15.00% 15.00% 15.00% 15.00% 15.00%	70.00% 70.00%	20.00%		17	715,348.31	\$20,438.71	\$9,708.48	9,492.23	10,730.22	696,147.60	894.19	6,644.56	1,328.91	596.12		\$27,111.71
		15.00% 15.00% 15.00% 15.00%	70.00%			18	696,147.60	\$20,163.76	\$9,721.55	9,233.77	10,442.21	677,192.28	870.18	6,463.64	1,292.73	580.12		\$26,654.50
		15.00% 15.00% 15.00%		20.00%		19 20	677,192.28 658.479.04	\$19,892.52 \$19.624.93	\$9,734.64 \$9,747.74	8,978.60 8,726.70	10,157.88 9.877.19	658,479.04 640.004.60	846.49 823.10	6,285.02 6.108.69	1,257.00 1,221.74	564.33 548.73		\$26,203.31 \$25,758.06
		15.00% 15.00%	70.00%	20.00%		21	640,004.60	\$19,624.93 \$19,360.94	\$9,747.74 \$9,760.87	8,726.70 8,478.01	9,877.19	621,765.72	823.10 800.01	5,934.60	1,221.74	548.73		\$25,758.06 \$25,318.68
			70.00%	20.00%		22	621,765.72	\$19,100.49	\$9,774.01	8,232.48	9,326.49	603,759.23	777.21	5,762.74	1,152.55	518.14		\$24,885.08
			70.00%	20.00%		23	603,759.23	\$18,843.56	\$9,787.17	7,990.08	9,056.39	585,981.99	754.70	5,593.06	1,118.61	503.13		\$24,457.19
		15.00% 35.00%	70.00% 70.00%	20.00%		24 25	585,981.99 568,430.88	\$18,590.07 \$18,340.00	\$9,800.34 \$9,813.54	7,750.76 19,697.89	8,789.73 8,526.46	568,430.88 538,919.45	732.48 710.54	5,425.54 13,788.52	1,085.11 2,757.70	488.32 473.69		\$24,034.93 \$34,095.95
		35.00%	70.00%	20.00%		26	538.919.45	\$17,693.30	\$9,609.51	18.664.46	8.083.79	510.645.49	673.65	13.065.12	2,613.02	449.10		\$32,621,98
		35.00%	70.00%	20.00%		27	510,645.49	\$17,069.40	\$9,409.72	17,674.51	7,659.68	483,561.27	638.31	12,372.16	2,474.43	425.54		\$31,205.63
		35.00%	70.00%	20.00%		28	483,561.27	\$16,467.50	\$9,214.08	16,726.37	7,253.42	457,620.82	604.45	11,708.46	2,341.69	402.97		\$29,844.76
		35.00% 35.00%	70.00% 70.00%	20.00%		29 30	457,620.82 432,779.90	\$15,886.83 \$15,326.63	\$9,022.51 \$8,834.93	15,818.41 14.949.09	6,864.31 6.491.70	432,779.90 408.995.88	572.03 540.97	11,072.89 10,464.36	2,214.58 2.092.87	381.35 360.65		\$28,537.28 \$27,281,22
		35.00%	70.00%	20.00%		31	432,779.90	\$15,326.63	\$8,651.24	14,949.09	6.134.94	386.227.74	540.97	9.881.83	1.976.37	340.83		\$27,261.22
		35.00%	70.00%	20.00%		32	386,227.74	\$14,264.79	\$8,471.38	13,320.39	5,793.42	364,435.97	482.78	9,324.28	1,864.86	321.86		\$24,915.69
		35.00%	70.00%	20.00%		33	364,435.97	\$13,761.79	\$8,295.25	12,558.19	5,466.54	343,582.53	455.54	8,790.73	1,758.15	303.70		\$23,802.59
		35.00% 35.00%	70.00% 70.00%	20.00% 20.00%		34 35	343,582.53 323,630.81	\$13,276.52 \$12,808.37	\$8,122.78 \$7,953.91	11,828.94 11,131.36	5,153.74 4.854.46	323,630.81 304.545.55	429.48 404.54	8,280.26 7,791.95	1,656.05 1,558.39	286.32 269.69		\$22,733.61 \$21,707.10
		35.00%	70.00%	20.00%		36	304,545.55	\$12,356.72	\$7,788.54	10,464.21	4,568.18	286,292.81	380.68	7,324.94	1,464.99	253.79		\$20,721.47
		45.00%	70.00%	20.00%		37	286,292.81	\$11,921.00	\$7,626.61	13,542.93	4,294.39	265,123.27	357.87	9,480.05	1,896.01	238.58		\$22,971.47
		45.00% 45.00%	70.00% 70.00%	20.00% 20.00%		38 39	265,123.27 245,231.64	\$11,341.65 \$10,790.46	\$7,364.80 \$7,111.98	12,526.83 11,572.40	3,976.85 3,678.47	245,231.64 226,547.26	331.40 306.54	8,768.78 8,100.68	1,753.76 1,620.14	220.94 204.36		\$21,562.38 \$20,231.82
		45.00%	70.00%	20.00%		40	226.547.26	\$10,790.46	\$6,867.84	10,676.22	3,398.21	209.003.19	283.18	7,473.36	1,494.67	188.79		\$18,975,63
		45.00%	70.00%	20.00%		41	209,003.19	\$9,767.13	\$6,632.08	9,835.05	3,135.05	192,536.06	261.25	6,884.54	1,376.91	174.17		\$17,789.85
		45.00%	70.00%	20.00%		42	192,536.06	\$9,292.46	\$6,404.41	9,045.83	2,888.04	177,085.81	240.67	6,332.08	1,266.42	160.45		\$16,670.75
		45.00% 45.00%	70.00% 70.00%	20.00% 20.00%		43 44	177,085.81 162,595.60	\$8,840.85 \$8.411.19	\$6,184.56 \$5,972.26	8,305.65 7.611.75	2,656.29 2,438.93	162,595.60 149,011.59	221.36 203.24	5,813.95 5,328.23	1,162.79 1.065.65	147.57 135.50		\$15,614.78 \$14,618.56
		45.00%	70.00%	20.00%		45	149,011.59	\$8,002.42	\$5,767.24	6,961.55	2,235.17	136,282.80	186.26	4,873.08	974.62	124.18		\$13,678.91
		45.00%	70.00%	20.00%		46	136,282.80	\$7,613.51	\$5,569.26	6,352.56	2,044.24	124,360.98	170.35	4,446.79	889.36	113.57		\$12,792.79
		45.00% 45.00%	70.00% 70.00%	20.00%		47 48	124,360.98	\$7,243.50 \$6.891.47	\$5,378.08	5,782.46	1,865.41 1.698.01	113,200.43 102,757,93	155.45 141.50	4,047.72 3.674.33	809.54 734.87	103.63 94.33		\$11,957.33 \$11,169.81
		45.00% 45.00%	70.00%	20.00%		48 49	113,200.43 102,757.93	\$6,891.47 \$6.556.55	\$5,193.46 \$5,015,18	5,249.04 4.750.21	1,698.01	92,992,54	141.50 128.45	3,674.33	734.87 665.03	94.33 85.63		\$11,169.81 \$10.427.65
	ļ	45.00%	70.00%	20.00%		50	92,992.54	\$6,237.91	\$4,843.02	4,283.99	1,394.89	83,865.53	116.24	2,998.79	599.76	77.49		\$9,728.40
		45.00%	70.00%	20.00%		51	83,865.53	\$5,934.75	\$4,676.77	3,848.50	1,257.98	75,340.26	104.83	2,693.95	538.79	69.89		\$9,069.74
		45.00% 45.00%	70.00% 70.00%	20.00%		52 53	75,340.26 67.382.05	\$5,646.33 \$5,371.92	\$4,516.22 \$4,361.19	3,441.98 3.062.76	1,130.10 1,010.73	67,382.05 59.958.11	94.18 84.23	2,409.39	481.88 428.79	62.78 56.15		\$8,449.48 \$7,865.51
		45.00%	70.00%	20.00%		54	59,958.11	\$5,371.92 \$5,110.85	\$4,361.19	2,709.24	899.37	53,037.39	74.95	1,896.47	379.29	49.97		\$7,315.88
		45.00%	70.00%	20.00%		55	53,037.39	\$4,862.47	\$4,066.91	2,379.92	795.56	46,590.56	66.30	1,665.95	333.19	44.20		\$6,798.71
		45.00%	70.00%	20.00%		56 57	46,590.56	\$4,626.16	\$3,927.30	2,073.40	698.86	40,589.87	58.24	1,451.38	290.28	38.83		\$6,312.21
		45.00% 45.00%	70.00% 70.00%	20.00% 20.00%		57 58	40,589.87 35.009.07	\$4,401.33 \$4,187.43	\$3,792.48 \$3,662.29	1,788.32 1,523.43	608.85 525.14	35,009.07 29.823.35	50.74 43.76	1,251.82 1,066.40	250.36 213.28	33.82 29.17		\$5,854.72 \$5,424.64
		45.00%	70.00%	20.00%		59	29,823.35	\$3,983.92	\$3,536.57	1,277.51	447.35	25,009.26	37.28	894.26	178.85	24.85		\$5,020.45
	L	45.00%	70.00%	20.00%		60	25,009.26	\$3,790.31	\$3,415.17	1,049.45	375.14	20,544.64	31.26	734.62	146.92	20.84		\$4,640.74
	ŀ	45.00% 45.00%	70.00% 70.00%	20.00%		61 62	20,544.64 16,408.53	\$3,606.10 \$3,430.85	\$3,297.93 \$3,184.72	838.17 642.67	308.17 246.13	16,408.53 12.581.15	25.68 20.51	586.72 449.87	117.34 89.97	17.12 13.67		\$4,284.13 \$3,949.36
		45.00%	70.00%	20.00%		63	12,581.15	\$3,264.11	\$3,075.40	461.97	188.72	9,043.78	15.73	323.38	64.68	10.48		\$3,635.20
		45.00%	70.00%	20.00%		64	9,043.78	\$3,105.48	\$2,969.82	295.19	135.66	5,778.77	11.30	206.63	41.33	7.54		\$3,340.50
		45.00%	70.00%	20.00%		65	5,778.77	\$2,954.56	\$2,867.87	141.47	86.68	2,769.43	7.22	99.03	19.81	4.82		\$3,064.18
		45.00% 45.00%	70.00% 70.00%	20.00%		66 67	2,769.43	\$2,810.97 \$0.00	\$2,769.43 \$0.00		41.54	-	3.46		0.00	2.31		\$2,805.20 \$0.00
		45.00%	70.00%	20.00%		68	-	\$0.00	\$0.00	-	-	-		-	0.00			\$0.00
		45.00%	70.00%	20.00%		69	-	\$0.00	\$0.00	-	-	-	-	-	0.00	-		\$0.00
		45.00% 45.00%	70.00% 70.00%	20.00%		70 71	-	\$0.00 \$0.00	\$0.00 \$0.00	-	-	-	-	-	0.00	-		\$0.00 \$0.00
		45.00% 45.00%	70.00%	20.00%		71 72		\$0.00	\$0.00						0.00			\$0.00 \$0.00
		.2.3070	. 2.3070					<b>\$2.00</b>	\$477,578.55	\$522,421.45 \$1,000,000.00				365,695.01	73,139.00			\$1,279,544.51

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